

CLIMATOLOGICAL DATA FOR MARCH, 1911.

DISTRICT NO. 11, CALIFORNIA.

Prof. ALEXANDER G. MCADIE, District Editor.

GENERAL SUMMARY.

The month of March in this district was one of more than average rainfall, notwithstanding that a large portion of the month was dry and pleasant. The rain fell mostly during the first decade. There were no records broken and the month as a whole was favorable for farming operations. The temperature was 1.5° above the normal; but there were no excessively warm periods, and, on the other hand, there were fewer frosts than usual. Perhaps the most noticeable feature of the month was the rapid increase in the depth of the snow cover during the first decade. At Summit a depth of 305 inches was recorded. This was in marked contrast with the condition a year ago, when there was practically less than one-half of a normal depth. Elsewhere the snowfall is treated in detail, and it will be sufficient to remark here that the two extremes of light and heavy snowfall are represented by the months of March, 1910, and March, 1911.

The month began with a widespread rainstorm. Moderate to brisk southerly winds with rain prevailed over the whole State, reaching their highest velocity in the Great Valley about March 4. The weather cleared for a short period in the southern portion of the State, the storm apparently moving northward. On March 7 the storm area swung again southward and rainfalls exceeding 1 inch in 24 hours occurred at many points in the State. At San Luis Obispo 5.98 inches fell in 24 hours. The rainfall is as a rule unusually heavy along the coast from Point Conception to Ventura in storms of this character. On March 11 the appearance of a well-marked high from the Pacific gave promise of fair weather and an end of the rainy period. This proved to be the case. Fortunately for all interests, there was a long interval of dry, fair weather. But for this change there would undoubtedly have been great losses to crops and stock and much interference with traffic and transportation. There were a few light rains in the central and southern counties March 21 and 22, but these served only to help the crops. The month closed with conditions favorable for abundant crops and every prospect of sufficient water for all purposes.

The month was essentially different from the same month last year, and yet there were two dry spells that resembled each other. There were 13 consecutive days of warm, rainless weather during the first half of March, 1910, and practically 20 consecutive days of dry, warm weather in March, 1911.

One interesting feature of the weather of the month was the absence of injurious frosts. March is a critical month in California, especially for the deciduous fruits and for

gardens, grapes, and vegetables. The frosts that are injurious to the citrus fruits occur in January and February. The reason why there were so few frosts during March is probably connected with the absence of south-moving lows followed by highs. In general the storms seemed to move more directly eastward than southward. The absence of clear atmosphere following strong north winds, and the consequent lack of rapid radiation of heat during the night hours, also contributed to immunity from frost.

TEMPERATURE.

The mean temperature for the State was 1.6° above the normal. The following table gives the mean temperature for California during the time for which such records have been kept:

Year.	Mean.	Departure.	Year.	Mean.	Departure.
	F°.	F°.		F°.	F°.
1897.....	48.0	-3.1	1905.....	54.7	+3.6
1898.....	48.8	-2.3	1906.....	50.8	-.3
1899.....	51.2	+.1	1907.....	49.0	-2.1
1900.....	55.7	+4.6	1908.....	51.8	-.7
1901.....	53.0	+1.9	1909.....	48.5	-2.6
1902.....	49.7	-1.4	1910.....	54.7	+3.6
1903.....	50.9	-.2	1911.....	52.7	+1.6
1904.....	51.1	-.0			

The highest mean temperature was 69.4° at Bagdad, and the lowest mean 30.1° at Tamarack, Alpine County. The highest temperature, 100° , occurring at Indio on the 30th. The highest temperature last March was 102° at San Jacinto on the 4th. The lowest temperature, 0° , occurred at Tamarack on the 24th, and was below that of last year, which was 6° at Macdoel, on the 25th.

PRECIPITATION.

The average monthly precipitation for California for March is as follows:

Year.	Mean.	Departure.	Year.	Mean.	Departure.
	Inches.	Inches.		Inches.	Inches.
1897.....	3.98	-0.05	1905.....	5.42	+1.39
1898.....	.66	-3.37	1906.....	9.19	+5.16
1899.....	6.10	+2.07	1907.....	10.67	+6.64
1900.....	2.38	-1.65	1908.....	1.49	-2.54
1901.....	1.01	-3.02	1909.....	3.56	-.47
1902.....	3.39	-.64	1910.....	2.43	-1.60
1903.....	5.80	+1.77	1911.....	6.02	+1.99
1904.....	8.52	+4.49			

The greatest 24-hour precipitation was 5.98 inches, as recorded at the regular Weather Bureau station at San

Luis Obispo. One other station, Sierra Madre, Los Angeles County, recorded over 5 inches of rain in 24 hours; there were 10 stations that reported more than 4 inches in 24 hours, and 31 stations with over 3 inches in 24 hours. The greatest monthly precipitation was 15.60 inches at Laurel, and no rain occurred at Mammoth Tank.

SUNSHINE.

The following table gives the total hours of sunshine and percentages of possible:

Stations.	Hours.	Per cent of possible.	Stations.	Hours.	Per cent of possible.
Eureka.....	184	50	San Diego.....	208	56
Fresno.....	212	57	San Francisco.....	177	48
Los Angeles.....	164	44	San Jose.....	195	53
Mount Tamalpais.....	215	58	San Luis Obispo.....	129	35
Red Bluff.....	246	68	Alturas.....	.....	70
Sacramento.....	221	60	Santa Cruz.....	.....	80

EARTHQUAKES.

The following reports have been received: Chester, two shocks on the 3d at 11 a. m. and 2.30 p. m.; Point Loma, light shocks on the 5th, 6th, and 7th; Campbell, light shock on the 11th; Hollister, heavy shock at 1.30 p. m. on the 11th, plastering cracked and articles thrown from the walls in several houses; Los Gatos, light shock 1.30 p. m. on the 11th; Claremont, light shock on the 19th at 6.03 p. m.; San Miguel, severe shock at 2.55 p. m. on the 22d.

Capt. W. G. Waters states that the Ranch House, which is strongly constructed to withstand the severe winds that blow on the island, was rocked violently and windows and dishes rattled loudly.

The following reports have been received from the seismological station at Santa Clara College, under the direction of Rev. J. S. Ricard, S. J.: March 6, 5.05.06 to 5.08.06 p. m.; origin 307 kilometers northwest by west. March 10, 3.56.20 to 3.57.42 a. m.; period 1 second disturbance southeast by south. March 11, 1.29.28 to 1.34 p. m.; origin 118 kilometers southeast by east; light shock felt. March 28, 8.13.11 to 8.16.28 p. m.; origin 394 kilometers east $30^{\circ} 58'$ north. March 31, 6.15.35 to 6.18 p. m.; origin 169 kilometers north $26^{\circ}, 34^{\circ}$ west, preceded by small records and followed by minor tremors till 8.26 p. m. This makes a total of 41 earthquakes recorded at Santa Clara by these instruments since their installation, June 9, 1910.

NOTES ON THE RIVERS OF THE SACRAMENTO AND SAN JOAQUIN WATERSHEDS DURING MARCH, 1911.

By N. R. TAYLOR, Local Forecaster.

The Sacramento watershed.—The rains that fell almost continuously during the first decade of the month resulted in dangerously high stages in the Sacramento River above the mouth of the American and freshets in many of the smaller streams.

The Sacramento River at Kennett, Red Bluff, and Monroeville rose 9.8, 11.7, and 10 feet, respectively, during the 24 hours ending at 7 a. m. on the 7th. On this date the flood stage was reached at Monroeville and a large acreage of land in the vicinity of Monroeville, St. John, and Hamilton was flooded. The crest of this rise reached Colusa on the 9th, Knights Landing on the 11th, and Sacramento City on the 13th.

All levees on the west side of the Sacramento River remained intact during the period of high water, but on the 12th a break occurred on the east side about 4 miles above Colusa and resulted in the flooding of several thousand acres of land and the drowning of a large number of spring lambs. The warnings issued by the Weather Bureau resulted in the saving of all stock that could be driven to higher land.

The greatest damage along the Sacramento River, however, resulted from the heavy run-off of the creeks of the western foothills which filled that part of the Colusa Basin known as the "Trough." The trough water, which was the highest ever before known, broke many of the back levees and flooded from ten to fifteen thousand acres of land already planted to grain.

At the close of the month the back levee which protects Reclamation District No. 108 from the foothill water of the west was rapidly weakening.¹

Below Colusa there was little or no damage from high water, although conditions were menacing between Knights Landing and Sacramento City from the 10th to 13th.

Practically no rain fell in this watershed after the 10th of the month, but the run-off of all streams continued much above the normal as a result of the snow water from the Sierras.

San Joaquin watershed.—General and heavy rains also fell throughout this watershed from the 1st to the 10th, inclusive, causing damaging floods on the San Joaquin River between Stockton and Lathrop, and along Mormon Slough between Stockton and Bellota. Practically all lands that were flooded during January and February were again under water between the 7th and 13th. The rivers of this watershed, like those of the Sacramento, continued relatively high during the entire month, and the increased run-off from snow water was especially noticeable during the last decade of the month.

Judging from the unusually large amount of snow remaining in the mountains it is safe to predict that the run-off of all streams during the coming summer will be the greatest since that of 1907.

SNOWFALL IN THE MOUNTAINS.

March was a month of moderate snowfall in the mountains of California. By the end of the first decade the snow cover was deeper and more extensive than had been known for many years. The heavy snowfall of January, the moderate fall of February, and the heavy fall of the first 10 days in March resulted in the condition mentioned above. Then followed, however, a period of prolonged fair weather and there was a steady decrease in depth and area. At the close of the month the depth did not in general exceed that of the season of 1904, and was less than at the same period in 1906, 1907, and 1909. It was, however, far in excess of the depths recorded at the close of March, 1905, 1908, and 1910.

It is still too early to forecast the probable duration of the snow; but there is every likelihood that the supply of water will be sufficient for all needs and that there will be snow at the higher elevations until late in the summer. Regarding travel in the mountains, the season will probably be a late one and certain of the higher passes will not be open for travel until the middle of July. There is an abundance of water for irrigation, mining, and other purposes.

¹ This levee gave way on April 5, flooding 25,000 acres of land, all of which was planted to crops which were totally destroyed. The damage is estimated to be \$400,000.

TABLE 1.—Climatological data for March, 1911. District No. 11, California.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.						
<i>Oregon.</i>																				
Klamath Agency.	Klamath.	4,169	3	34.2	-	68	30	3	9	43	0.35	-	0.20	3.5	2	22	7	2	s.	Edson C. Watson.
Klamath Falls.	do	4,100	22	39.4	-0.2	76	31	12	1	36	.41	-	.31	3.0	3	25	3	3	w.	W. H. Heileman.
Merrill.	do	4,070	5	40.0	-	75	30†	12	1	44	.40	-	.30	3.0	2	27	2	2	s.	Mrs. Agnes Ritchson.
Yonza.	do	4,146	4	38.6	-	71	30	11	1	48	.57	-	.23	.8	5	19	10	2	s.	Jacob Ruecke.
<i>California.</i>																				
Alameda.	Alameda.	1	55.1	-	83	30	42	1†	-	2.85	-	1.10	0.0	9	5	16	10	n.	Chas. E. Sears.	
Alturas.	Modoc.	4,460	7	40.4	-	79	31	16	9	51	.68	-	.33	3.0	6	18	11	2	n.	C. B. Towle.
Angiola.	Tulare.	208	11	53.8	-1.2	85	29†	34	5†	40	1.55	+	0.31	1.00	0	3	18	0	nw.	Santa Fe Co.
Antioch.	Contra Costa.	46	33	64.8	+10.4	91	29	45	1†	-	1.57	-	.40	.48	0	6	25	0	6	Southern Pacific Co.
Apots.	Santa Cruz.	102	26	55.2	+2.9	75	29	40	1	-	8.10	+	4.32	3.47	0	10	9	4	18	Do.
Arrowhead Springs.	San Bernardino.	2,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Southern Pacific Co.	
Auburn.	Placer.	1,360	40	51.9	+0.2	79	30	32	1	27	6.06	+	.92	1.96	0	10	16	1	14	se.
Avalon.	Los Angeles.	1	58.1	-	76	14†	20	3	11	20	3.15	-	1.11	0	7	20	6	5	sw.	
Azusa.	do	540	9	59.4	-	88	15	40	11†	46	0.40	+	2.16	2.70	0	8	22	0	9	A. P. Griffith.
Bagdad.	San Bernardino.	784	8	69.4	-	93	31	44	1	32	T.	-	-	T.	0	0	-	-	Santa Fe Co.	
Bakersfield.	Kern.	404	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Do.	
Barstow.	San Bernardino.	2,105	8	61.0	-	94	31	32	1†	46	.28	-	.15	0	3	27	0	4	w.	
Berkeley.	Alameda.	317	24	53.4	+1.7	78	29	38	2	26	5.17	+	.91	2.27	0	9	10	5	16	sw.
Biggs.	Butte.	98	12	52.8	+0.3	90	30	40	2	-	5.74	+	1.53	2.40	0	8	14	3	14	s.
Bishop.	Inyo.	4,450	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Do.	
Bishop Creek.	Humboldt.	8,500	1	30.4	-	46	30	13	1	24	8.85	-	2.60	88.5	10	17	0	14	se.	
Blocksburg.	Placer.	1,700	5	50.4	-	85	29	31	9	41	4.19	-	1.04	0	10	8	13	7	11	Do.
Blue Canyon.	Riverside.	4,695	12	41.8	+2.2	70	30	26	1	28	10.45	-	4.77	2.25	91.0	11	13	7	11	Southern Pacific Co.
Blythe.	Mendocino.	2,000	11	48.8	+4.4	82	28	27	8	42	4.50	-	8.10	1.56	0	8	19	4	8	Ray W. Ward.
Branscomb.	Imperial.	-105	2	64.2	-	93	29†	37	6	38	-	-	-	-	-	-	-	-	A. J. Haun.	
Brush Creek.	Butte.	2,140	7	50.2	-	89	30	30	12	40	14.19	-	4.22	5.0	10	17	0	14	M. D. Witter.	
Burney.	Shasta.	3,300	1	43.3	-	83	30	18	13	56	3.60	-	1.93	1.0	5	14	7	10	sw.	
Cajexico.	Imperial.	0	6	66.4	-	95	31	42	6	40	1.13	-	0	1	25	2	4	nw.		
Caliente.	Kern.	1,290	35	56.9	+0.9	80	30	42	1	-	1.01	-	.87	1.01	0	1	-	-	Southern Pacific Co.	
Calistoga.	Napa.	368	39	52.6	-0.9	78	18	32	2	-	11.32	+	6.28	4.03	0	11	20	0	11	Do.
Campbell.	Santa Clara.	217	14	53.4	+2.3	81	30	39	1†	38	5.71	+	2.12	1.60	0	9	14	2	15	F. M. Righter.
Camptonville (near).	Yuba.	3,500	4	51.3	-	83	30	32	1†	46	14.78	-	3.40	18.0	12	12	7	12	Cal. Gas and Elect. Co.	
Cedarville.	Modoc.	4,675	17	40.4	+3.1	74	31	12	1†	39	0.73	-	.75	19.5	6	20	11	0	sw.	
Chico.	Butte.	189	41	55.7	+0.1	83	29	34	12	41	5.86	+	3.16	1.60	0	9	18	4	9	John O. Ogle.
China Flat.	Humboldt.	600	2	54.6	-	83	30†	28	1†	48	3.38	-	1.00	0	6	16	10	5	sw.	
Chino.	San Bernardino.	714	19	60.0	+4.4	82	15	40	10	-	4.00	+	.68	.98	0	8	14	1	16	C. D. McCormish.
Cisco.	Placer.	5,938	40	38.2	+4.8	66	31	26	1	-	11.50	+	4.51	4.0	116.0	8	16	4	11	C. D. McCormish.
Claremont.	Los Angeles.	1,200	19	56.6	+3.6	80	14†	39	11	34	5.22	+	1.72	1.11	0	16	10	11	sw.	
Cloverdale.	Sonoma.	340	8	59.9	-	83	29†	35	2†	43	9.00	-	2.88	0	10	18	3	10	Do.	
Colfax.	Placer.	2,421	40	48.2	-0.9	77	31	26	1†	30	10.47	+	3.21	2.47	1	11	15	1	15	Do.
Colusa.	Colusa.	60	8	59.6	-	84	18†	43	12†	39	6.98	+	4.00	3.12	0	9	19	3	9	Do.
Corning.	Tehama.	277	25	58.0	+5.4	82	28†	40	2	-	6.56	+	4.00	3.10	0	7	19	2	10	Do.
Cuyamaca.	San Diego.	4,677	12	46.2	+6.3	69	30	29	1†	27	4.39	-	2.01	1.70	0	7	12	8	Do.	
Daunt.	Tulare.	4,000	4	47.2	-	80	30	30	11†	40	7.05	-	2.10	1.42	0	10	13	10	sw.	
Davylsive.	Yolo.	51	39	53.4	-2.8	72	30	22	2	43	5.31	+	3.11	1.42	0	10	13	10	sw.	
Deer Creek.	Nevada.	3,700	4	42.6	-	74	30	26	12	38	13.98	-	3.65	40.0	12	14	5	12	Do.	
Del Monte.	Monterey.	56.8	-	-	-	82	29	41	12	32	6.22	-	1.92	0	9	12	4	15	Do.	
Delta.	Shasta.	1,138	26	48.8	-2.0	74	31	31	8†	41	13.70	+	4.74	4.10	0	5	18	3	10	Do.
Demair.	Stanislaus.	126	11	56.8	+3.1	91	30	38	13	46	3.68	+	1.00	1.54	0	10	18	5	8	Do.
Dobbins.	Yuba.	1,650	2	55.6	-	82	29†	34	1	36	8.27	-	2.18	0	5	11	11	2	12	Do.
Dudley.	Mariposa.	3,000	2	46.8	-	76	29	27	11	38	12.03	-	2.17	0	12	14	3	14	Do.	
Dunnigan.	Yolo.	68	34	56.9	+1.9	82	30	40	1	-	8.78	+	6.38	3.30	0	10	16	4	11	Do.
Dunsmuir.	Siskiyou.	2,288	22	43.2	-1.2	84	31	31	9	-	10.47	+	3.40	3.00	0	12	18	0	13	Do.
Durham.	Butte.	160	16	55.7	+4.6	84	30	35	12	41	5.92	+	3.12	1.84	0	9	19	3	9	Do.
El Cajon.	San Diego.	482	12	58.0	+2.3	82	15†	39	1	41	1.30	-	1.27	.47	0	7	21	3	7	Do.
Electra.	Amador.	725	7	56.2	-	84	30	34	14	37	8.40	-	2.25	0	10	17	4	10	Do.	
Elsmore.	Riverside.	1,234	16	57.0	+7	87	29	35	12	45	1.38	-	10	.64	0	5	15	9	7	Do.
Emigrant Gap.	Placer.	5,230	37	40.0	+2.3	60	31	28	1†	24	1.60	+	1.62	1.50	69.0	10	12	7	12	Do.
Escendido.	San Diego.	667	17	57.8	+3.5	82	14	35	6	42	2.04	+	.19	.60	0	9	28	3	6	Do.
Eureka.	Humboldt.	64	25	48.6	+6	68	29	35	1	24	1.45	+	4.73	.75	0	9	9	9	13	Do.
Farmington.	San Joaquin.	111	33	57.1	+3.2	80	30	40	20	-	4.22	+	1.73	1.05	0	11	15	6	10	Do.
Fordyce Dam.	Sacramento.	252	39	56.0	+1	85	31	37	1	36	6.61	+	3.10	2.17	0	10	18	1	14	Do.
Fouts Springs.	Colusa.	6,500	16	31.5	-	85	29†	32	1	26	12.39	-	1.96	2.12	124.0	12	11	10	10	Do.
Fresno.	Fresno.	293	24	58.1	+3.2	83	30	42	12	29	3.30	+	1.98	1.25	0	11	20	7	14	Do.
Frito.	Glenn.	624	22	54.0	+1.1	80	28	36	1	30	9.30	+	6.88	2.80	0	9	19	0	7	Do.
Galt.	Sacramento.	49	33	55.6	+4	80	18†	40	9	-	4.56	+	1.69	1.30	0	10	16	0	15	Do.
Georgetown.	El Dorado.	2,650	38	50.4	-1.5	78	30	32	1†	29	12.38	+	2.96	2.66	1.5	13	13	5	13	Do.
Gilroy.	Santa Clara.	193	37	53.4	-3	85	2													

TABLE 1.—Climatological data for March, 1911. District No. 11—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>California—Continued.</i>																						
Lake Eleanor.	Tuolumne.	4,700	1	41.1	.....	74	30	20	12†	43	12.50	.....	2.83	72.0	12	14	5	12	s.	O. J. Todd.	
La Porte.	Plumas.	5,000	17	41.1	.....	74	30	20	12†	43	12.50	.....	2.83	72.0	12	14	5	12	s.	Chas. W. Hendel.	
Le Grand.	Merced.	255	11	54.7	+ 2.8	78	31	30	4	27	2.85	+ 0.73	.86	.0	7	17	0	14	w.	Santa Fe Co.		
Lemon Cove.	Tulare.	600	16	61.0	+ 4.9	88	30	41	3	36	4.30	+ .75	2.17	.0	7	13	4	14	w.	G. W. Sandidge.		
Lick Observatory.	Santa Clara.	4,209	23	44.0	+ 3.0	69	30	28	1	21	7.00	+ 1.82	2.13	T.	10	14	6	11	se.	The Director.		
Livermore.	Alameda.	495	40	54.4	+ 0.6	88	30	30	16	43	4.45	+ 2.28	1.81	.0	0	10	13	5	13	w.	Elmer G. Still.	
Lodi.	San Joaquin.	45	29	54.6	- 0.1	78	29†	40	12†	30	4.74	+ 1.73	1.87	.0	0	7	16	5	10	w.	Ezra Fiske.	
Long Pine.	Inyo.	2,728	6	51.7	.....	81	30	28	1	40	.87	.....	.70	.0	3	17	13	1	s.	G. F. Marsh.	
Long Valley.	Lassen.	4,400	2	41.5	.....	75	30	22	12	40	3.15	.....	1.61	15.5	10	16	3	12	sw.	A. G. Evans.	
Los Angeles.	Los Angeles.	293	34	58.8	+ 3.2	83	14	45	11	51	+ 2.17	1.99	.0	9	5	10	16	sw.	U. S. Weather Bureau.			
Los Banos.	Merced.	121	24	58.9	+ 3.1	80	30	45	3†	26	2.63	+ 1.52	1.00	.0	8	13	18	1	w.	Southern Pacific Co.		
Los Gatos.	Santa Clara.	600	24	54.0	+ 2.2	86	30	36	1	35	14.16	+ 9.31	3.77	.0	10	15	4	12	n.	F. H. McCullagh.		
McCloud.	Siskiyou.	3,410	1	45.0	.....	75	30†	23	12	45	9.40	.....	3.22	24.0	8	19	6	16	ne.	F. F. Spenser.	
Macdoel.	do.	4,268	4	35.4	.....	75	31	6	9	28	1.07	.....	.60	10.5	4	16	3	12	n.	Butte Valley Land Co.	
Madeline.	Lassen.	5,270	2	34.3	.....	68	31	9	12	40	1.27	.....	.60	10.0	11	19	3	9	se.	J. H. Williams.	
Magalia.	Butte.	2,821	7	55.7	.....	88	27	32	8†	45	14.03	.....	4.25	1.0	10	19	2	9	w.	Butte Co. R. R. Co.	
Mammoth Tank.	Imperial.	257	33	52.6	- 13.5	73	31	38	3†	31	.00	- .19	.00	.0	0	22	0	9	w.	Southern Pacific Co. Do.		
Marysville.	Yuba.	67	40	56.6	- 8	82	29†	38	12	37	5.70	+ 3.45	1.95	.0	9	20	0	11	s.	Edgar A. Palmer.		
Mecca.	Riverside.	-185	5	66.2	.....	98	30	36	6	41	.08	.....	.08	.0	1	20	9	2	se.	Southern Pacific Co.	
Menlo Park.	San Mateo.	64	33	55.3	+ 1.9	82	30	40	1†	45	4.66	+ 2.04	2.00	.0	8	20	0	11	n.	T. O. Bailey.		
Merced.	Merced.	173	37	5	.....	54.2	31	22	13	37	11.99	.....	3.29	.0	11	15	4	12	sw.	S. W. Marsh.	
Mill Creek (1).	Amador.	20	48.2	.....	77	31	32	1	37	11.99	.....	3.29	.0	8	15	8	8	nw.	Cal. Gas & Elect. Co.		
Milton (near).	Calaveras.	600	20	54.7	+ .7	78	30	40	1	22	5.94	+ 1.98	1.37	.0	10	16	0	15	s.	J. H. Southwick.		
Modesto.	Stanislaus.	90	39	56.6	+ .7	80	30	47	1†	36	3.96	+ 2.59	1.05	.0	0	16	0	19	se.	Southern Pacific Co. Do.		
Mojave.	Kern.	2,751	34	52.0	- 1.5	84	29	34	7	34	1.75	+ 1.04	.50	.0	4	12	0	19	n.	C. E. Prindie.		
Mokelumne Hill.	Calaveras.	1,550	18	53.1	+ 6.3	77	30	35	1	27	8.09	+ 2.49	2.74	.0	10	15	0	16	sw.	Herbert Lathrop.		
Mono Ranch.	Ventura.	3,210	5	41.4	- 5.7	82	30	12	13	61	.73	- .51	.37	.5	5	15	10	6	s.	I. E. Deboy.		
Montague.	Siskiyou.	2,450	23	54.7	+ 1.2	78	29	36	2	50	5.90	+ 3.25	2.72	.0	10	16	1	14	se.	Southern Pacific Co.		
Monterey.	Monterey.	15	46	55.1	+ 1.2	78	29	36	2	50	5.90	+ 3.25	2.72	.0	0	16	0	14	s.	John C. Knecht.		
Monterio.	Kern.	4,500	13	46.4	- 3.9	66	29	28	1	22	3.41	- .78	1.30	.0	9	11	6	14	n.	U. S. Weather Bureau.		
Mount Tamalpais.	Marin.	2,375	12	48.9	+ 1.8	77	30	32	1	23	3.07	- 2.06	.85	.0	10	9	11	11	nw.	Thomas Hull.		
Napa City.	Napa.	20	34	53.8	+ 2.0	85	30	36	2	41	6.23	+ 2.50	2.40	.0	9	2	28	1	s.	W. H. Martin.		
Napa (S. H.).	do.	60	33	53.2	+ 1.4	82	29	38	2	37	5.17	+ 1.47	2.61	.0	9	18	3	10	sw.	Santa Fe Co.		
Needles.	San Bernardino.	477	19	67.8	+ 3.0	90	30	48	1†	32	.06	- .15	.08	.0	1	27	1	3	nw.	T. O. Bailey.		
Nellie.	San Diego.	5,350	19	48.3	- 4.1	83	30	24	13	46	11.84	+ 3.44	3.10	5.0	14	15	1	15	sw.	S. W. Marsh.		
Nevada City.	Nevada.	2,580	19	48.3	- 4.1	83	30	24	13	46	11.84	+ 3.44	3.10	5.0	14	15	1	15	sw.	Geo. D. Kellogg.		
Newcastle.	Placer.	970	18	56.0	+ 5.0	84	30	39	1	30	7.10	+ 2.56	2.02	.0	0	19	0	12	w.	Southern Pacific Co.		
Newhall.	Los Angeles.	1,200	34	54.9	+ .8	86	29	30	3	38	8.74	+ 5.93	2.98	.0	8	17	0	14	se.	E. S. Wagenheim.		
Newman.	Stanislaus.	91	22	59.9	+ 3.8	84	30	42	11	27	3.11	+ 1.36	1.50	.0	9	17	0	14	n.	Cal. Gas & Elect. Co.		
Nimshew.	Butte.	2,500	7	49.2	.....	78	30†	31	24	34	13.81	.....	2.90	12.5	10	20	1	10	s.	J. R. McIntosh.	
North Bloomfield.	Nevada.	3,200	14	47.9	+ 2.6	80	30	39	9	40	10.80	+ 2.71	2.00	15.0	10	20	4	13	se.	C. H. Chinn.		
North Fork.	Madera.	3,000	7	50.2	.....	84	31	30	11†	41	12.44	.....	2.40	.0	11	0	22	9	w.	Southern Pacific Co.	
Oakdale.	Stanislaus.	156	17	56.4	+ 3.7	84	30	39	13	40	4.85	+ 2.48	1.78	.0	0	11	16	5	10	nw.	Ben L. Johnson.	
Oak Grove.	San Diego.	1	52.30	.....	80	27	32	11	40	1.74	.....	.78	.0	4	4	1	12	w.	Cabot Observatory.		
Oakland.	Alameda.	36	35	54.3	+ 1.3	78	29	39	2	27	5.08	+ 1.32	1.22	.0	10	8	11	12	w.	H. D. Brodie.		
Oceanside.	San Diego.	1	60.0	.....	76	13	44	5	45	2.55	.....	.55	.0	7	14	3	4	w.	Wm. H. Duncan.		
Ojai Valley.	Gleno.	200	5	56.6	.....	82	29	35	11	39	8.88	.....	3.90	.0	13	11	5	15	sw.	U. S. Reclamation Service.	
Orland.	Humboldt.	254	29	56.2	+ 0.5	86	29	36	3	40	6.29	+ 4.12	2.75	.0	8	16	6	9	n.	F. T. Hale.		
Orleans.	do.	520	8	58.2	.....	86	30	28	1	53	1.68	.....	.62	.0	8	20	4	7	sw.	E. D. Fairchild.	
Oroville (near).	Butte.	250	27	56.0	+ .2	83	30	34	3†	37	3.92	+ 2.38	2.20	.0	7	14	6	11	nw.	Miss Hettie Boalt.		
Palermo.	do.	213	20	55.2	+ 2.4	84	30	35	12	44	5.65	+ 3.11	1.90	.0	7	13	7	9	s.	Southern Pacific Co.		
Palm Springs.	Riverside.	584	22	65.3	+ .1	97	30	50	10	50	.21	- .14	.15	.0	4	9	18	4	e.	E. D. Sorven.		
Pasadena.	Los Angeles.	827	21	56.7	+ 2.3	82	31	37	11	36	7.59	+ 3.91	3.06	.0	9	16	7	8	sw.	Dr. F. W. Sawyer.		
Paso Robles.	San Luis Obisp.	800	24	55.0	+ 3.4	87	31	37	26	42	9.95	+ 7.10	2.00	.0	10	17	3	11	nw.	E. H. Parnell.		
Peachland.	Somona.	190	15	52.0	+ .2	85	29	31	2	45	5.91	+ .76	1.62	.0	11	15	7	9	s.	Tuolumne Water Power Co.		
Penstock Camp.	Tuolumne.	3,750	4	50.9	+ 4.6	76	30	31	12	36	9.44	+ 1.96	2.76	.0	11	16	3	12	sw.	A. Barling-Gould.		
Placerville.	Eldorado.	1,875	22	50.9	+ 4.6	76	30	31	12	36	9.44	+ 1.96	2.76	.0	10	11	1	12	n.	John Hyslop.		
Point Lobos.	do.	250	18	53.4	+ 3.4	74	28†	40	2	22	4.82	+ 1.67	1.56	.0	11	6	20	nw.	U. S. Weather Bureau.			
Point Reyes.	Marin.	490	19	50.9	+ 1.3	77	29	40	2	27	2.50	- 1.25	.58	.0	11	6	20	nw.	Leslie McAuliff.			
Porterville.	Tulare.	464	22	60.9	+ 4.1	87	18†	40	12	40	2.33	+ .94	.79	.0	12	18	6	7	sw.	U. S. Forest Service.		
Quino.	Plumas.	3,400	16	38.8	- 2.2	66	31	20	13†	38	7.39	- 1.39	2.28	10.0	7	21	0	10	nw.	U. S. Weather Bureau.		

TABLE 1.—Climatological data for March, 1911. District No. 11—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>California—Continued.</i>																					
Sierra Madre.....	Los Angeles.....	1,400	14	57.2	+ 1.5	80	29	42	11	30	9.89	+ 4.63	5.14	0.0	10	9	2	20	se.	Mrs. A. C. Gregory.	
Sierraville.....	Sierra.....	5,000	1	34.8	-	57	30	10	11	17	38	6.20	-	1.70	44.0	9	10	9	12	sw.	C. D. Johnson.
Sisson.....	Siskiyou.....	3,555	22	40.6	+ .9	73	30	20	8	36	6.82	+ 2.50	2.20	58.0	6	19	5	7	n.	Southern Pacific Co.	
Soledad.....	Monterey.....	188	37	58.6	+ 5.0	85	30	45	1	...	4.31	+ 2.81	1.00	0	9	18	0	13	n.	Do.	
Southeast Farallon.....	San Francisco.....	30	8	51.3	-	66	14	42	2	13	2.84	-	1.12	0	10	10	5	18	nw.	U. S. Weather Bureau.	
Sonora.....	Tuolumne.....	1,825	23	52.5	-	78	30	35	17	33	8.10	+ 1.99	1.46	0	10	14	6	11	sw.	Chas. P. Jones.	
Squirrel Inn.....	San Bernardino.....	5,280	1	44.0	-	66	29 [†]	28	11	23	10.93	-	3.45	0	12	14	7	10	se.	A. D. Frantz.	
Stirling City.....	Butte.....	3,525	7	50.2	-	85	31	28	1	34	13.78	-	5.85	26.0	9	13	6	12	sw.	Butte County R. R. Co.	
Stockton (S. H.).....	San Joaquin.....	23	40	55.1	+ .6	80	30	40	1	30	4.24	+ 1.96	1.46	0	10	21	2	8	nw.	State Hospital.	
Storey.....	Madera.....	296	11	51.8	- .8	79	29 [†]	33	1	37	1.40	-	.56	1.00	0	2	18	0	13	nw.	Santa Fe Co.
Sulsum.....	Solano.....	20	31	59.6	+ 3.8	80	23 [†]	37	2	...	4.07	+ 1.15	1.90	0	6	23	0	8	...	Southern Pacific Co.	
Summerdale.....	Mariposa.....	5,270	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J. H. Lowry.		
Summit.....	Placer.....	7,017	38	32.8	+ 1.4	48	31	18	17	18	10.63	+ 2.58	2.00	0.0	10	18	0	13	sw.	Southern Pacific Co.	
Susanville.....	Lassen.....	4,175	22	39.0	- .6	67	31	18	12 [†]	35	4.39	+ 1.69	1.97	34.0	8	19	6	6	sw.	James Brannan.	
Tamarack.....	Alpine.....	8,000	5	30.1	-	59	29	0	24	48	7.30	-	1.10	73.0	10	18	3	10	sw.	William Bennett.	
Tehachapi.....	Kern.....	3,964	34	50.9	+ 6.8	75	30	38	17	...	1.41	-	.22	.41	0	8	-	-	...	Southern Pacific Co.	
Tehama.....	Tehama.....	236	40	52.6	- 2.3	81	29 [†]	39	3	...	6.28	+ 3.93	3.00	0	6	17	1	13	s.	Do.	
Tejon Rancho.....	Kern.....	1,500	9	49.8 [†]	-	71	31	31	10	27	1.29	-	.35	0	6	10	5	16	nw.	S. E. Bailey.	
Three Rivers.....	Tulare.....	870	1	57.0	-	84	30	37	11	36	6.20	-	2.27	0	12	18	9	12	sw.	E. D. Barton.	
Towle.....	Placer.....	3,704	25	46.4	+ 1.8	78	30	27	1	35	14.30	+ 6.31	2.06	29.0	14	17	12	2	s.	Southern Pacific Co.	
Tracy.....	San Joaquin.....	84	31	58.0	+ 3.2	78	30 [†]	41	1	...	3.46	+ 2.13	1.25	0	10	16	1	14	nw.	Do.	
Ukiah.....	Mendocino.....	620	18	53.2	+ 3.0	89	30	32	13	50	5.46	+ .63	1.70	0	8	14	6	11	nw.	Dr. Geo. McGowen.	
Upland.....	San Bernardino.....	1,750	14	57.8	+ 4.6	86	29	37	11	41	6.02	+ .76	1.54	0	7	19	3	9	w.	A. P. Harwood.	
Upper Lake.....	Lake.....	1,350	26	52.2	+ 1.8	87	30	32	17	42	5.46	+ 2.32	2.20	T.	8	15	5	11	se.	C. M. Hammond.	
Vacaville.....	Solano.....	175	23	55.1	+ .8	82	29	37	12	40	5.18	+ 1.39	2.08	0	8	16	7	8	sw.	G. O. Coburn.	
Valley Springs.....	Calaveras.....	673	22	57.5	+ 3.2	80	29 [†]	40	1	...	6.08	+ 1.99	1.99	0	10	18	2	11	nw.	Southern Pacific Co.	
Visalia.....	Tulare.....	334	23	57.4	+ 5.8	78	31	40	17	18	2.31	+ .52	1.06	0	7	13	6	12	s.	Santa Fe Co.	
Warner Springs.....	San Diego.....	3,165	3	52.5	-	81	29	30	5	40	2.36	-	.80	0	8	15	11	5	...	Mrs. F. S. Sandford.	
Wasco.....	Kern.....	336	11	50.0	- 5.9	79	31	20	10	44	1.35	+ .29	.90	0	4	10	12	9	sw.	Santa Fe Co.	
Watsonville.....	Santa Cruz.....	23	15	54.7	- .4	84	20	39	2 [†]	38	5.61	+ 1.99	2.91	0	9	7	10	14	sw.	Spreckels Sugar Co.	
Wetitchpec.....	Humboldt.....	1,700	1	49.2	-	83	30	29	1	40	2.62	-	.86	1.0	8	20	10	1	s.	M. E. Lathrop.	
Westley.....	Stanislaus.....	90	22	50.0	- 1.8	80	30	40	1	...	5.12	+ 3.58	2.20	0	9	16	1	14	n.	Southern Pacific Co.	
Wheatland.....	Yuba.....	84	24	54.8	+ 1.9	78	30	40	12	29	5.50	+ 2.72	1.46	0	11	15	6	10	s.	Wm. Lumbard.	
Willows.....	Glenn.....	136	32	54.4	- .2	81	28	36	47	37	6.44	+ 4.78	2.01	0	9	20	1	10	s.	M. T. Harrington, jr.	
Yosemite.....	Mariposa.....	3,045	7	45.2	-	82	30	21	11	50	12.08	-	2.44	29.0	12	9	6	16	se.	J. P. Kelley.	

* b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Precipitation included in that of the next measurement.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate date of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimate by observer.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for March, 1911. District No. 11, California.*

Stations.	Watershed.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
Oregon.																																		
Klamath Agency	Klamath																																	0.35
Klamath Falls	do	T.	T.																														.41	
Long Valley	Pitt.	0.04		T.	0.12	T.	.03	.49	.06																						.88			
Merrill	Int. drainage																															.40		
Yonna	do																															.57		
California.																																		
Aguanga	Coast																																1.42	
Alameda	do	.50	.20	.10	.20	0.20	1.10	.25	.10	.20	T.																				2.85			
Alturas	Sacramento																															.68		
Angels Camp	San Joaquin	.02	.32	1.35	.78	.92	.91	2.01	1.86	.56																				10.33				
Angiola	do																															1.55		
Antioch	do	.29	.16	.48	.20	.30	.14																								1.57			
Aptos	Coast	1.12	.65	.27	.44	.20	.57	3.47	1.05	.36	.07																		8.10					
Arrowhead Springs	do																															6.06		
Auburn	Sacramento	.55	.74	.16	.73	.70	.68	1.96	.23	.03	.30																		3.15					
Avalon	Ocean																															6.40		
Azusa	Coast	.10	1.55	.78																												.28		
Bagdad	Desert																															T.		
Bakersfield	San Joaquin																																	
Barstow	Desert																																	
Bear River	San Joaquin																																	
Bear Valley (1)	Sacramento	.72	4.26	1.20	1.80	1.26	3.64	1.84	.36	.68	.20																			13.48				
Bear Valley (2)	do																															1.52		
Bear Valley Dam	Coast																																11.68	
Belotta	San Joaquin	.20	.48	.15	.40	.22	.20	1.36	.50	.16	.52	.08																		4.27				
Bell Mound	Coast	.90	.60	.70	1.00	1.83	3.76	.35	.37	.38	T.																		9.69					
Berkeley	do																															5.17		
Biggs	Sacramento	.63	.60	.55	.50	.75	2.40	.22																							5.74			
Bishop	Owens																																	
Bishop Creek	do	.40	.40	.80	.20	.40																										8.85		
Blocksburg	Coast	.19	.20	.27	.10	1.04	.80	.67	.59	.13																				4.19				
Blue Canon	Sacramento	1.00	1.40	.25	1.75	1.20	.25	2.25	1.20																					10.45				
Blythe	Desert																																	
Boulder Creek	Coast																															10.39		
Bowmans Dam	Branscomb																																	
Brush Creek	Coast																																14.19	
Burney	Sacramento	.12	.30	.24	1.56	1.40	.62	.06																							4.50			
Butte Valley	do																																3.60	
Calexico	Desert	.56	.40	.80	.90	1.59	1.84	2.54	.72	.02	.37	T.																		9.44				
Callente	San Joaquin																																.13	
Calistoga	Coast	.78	.22	1.10	.42	2.20	1.52	4.03	.48	.22	.33	.02																		11.32				
Campbell	do	.55	.19	.20	.24	1.20	1.27	1.60	.40	.06																				5.71				
Campo	do																															1.40		
Campomontville (near)	Sacramento	1.35	2.08	1.92	1.96	1.63	1.40	3.40	1.27	.14	.50	.10																		14.78				
Cedarville	Mt'tn Lakes																																.73	
Chester	do																															7.00		
Sacramento		.10	.70	40	40	1.50	.50	.90	2.60	.40																				5.86				
Chico	do																															6.24		
Chico (near)	do																															3.38		
Chino Flat	Coast	T.	.39	.12	T.	.40	1.00	.82	.65																				4.00					
Chino	do																																	
Cisco	Sacramento	.30	.60																													11.50		
Claremont	Coast																																	
Cloverdale	do																																	
Colfax	Sacramento	.45	1.00	1.51	1.73	1.26	1.25	2.47	.95	.17	.65	T.																	10.47					
Colgate	do																															8.28		
Colusa	do																															6.98		
Corning	do																															6.56		
Coyamaca	Coast																															1.83		
Daunt	San Joaquin																															4.39		
Davisville	Sacramento	.63																														7.05		
Deer Creek	do																															5.31		
Del Monte	Coast	1.40																														13.98		
Delta	Sacramento																															6.22		
Denair	San Joaquin	.23																														3.68		
Descanso	Coast																															2.73		
Dinuba	San Joaquin	.15																														3.55		
Dobbins	Sacramento	1.18	.82	.95	.91	1.33	1.04	2.18	.61	.13	.27	.05																		8.27				
Downieville	do																															14.08		
Dudleys	San Joaquin	1.20																														12.03		
Dunnigan	Sacramento	1.08																														8.78		
Dunsmuir	do																															10.47		
Durham	Coast	1.33	.42	.57																														

TABLE 2.—*Daily precipitation for March, 1911. District No. 11—Continued.*

TABLE 2.—*Daily precipitation for March, 1911. District No. 11—Continued.*

TABLE 2.—*Daily precipitation for March, 1911. District No. 11—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations for March, 1911. District No. 11, California.

Date.	Lakeview, Oreg.		California.																										
	Alturas.		Barstow.		Brawly.		Colusa.		Eureka.		Fresno.		Independ- ence.		Los An- geles.		Mount Tamalpais.		Nevada City.		Porter- ville.		Red Bluff.						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.					
1.....			44	23	78	32	55	31	66	49	50	35	53	44	35	24	61	47	36	32	40	31	64	41	45	40			
2.....			40	27	68	37	57	29	70	52	51	38	62	46	48	30	64	49	42	34	45	33	78	46	52	39			
3.....			50	25	65	46	51	40	73	47	65	45	67	51	51	36	58	50	48	38	51	37	74	49	53	45			
4.....			44	27	68	45	50	37	66	54	55	44	56	42	60	47	52	38	59	50	44	37	67	47	51	45			
5.....			41	30	67	43	45	37	70	42	54	46	55	48	62	49	52	36	58	49	46	39	68	43	56	48			
6.....			47	32	73	37	46	39	65	37	53	50	53	45	64	49	51	32	62	50	47	43	44	38	71	45	53	45	
7.....			42	29	68	38	46	34	59	46	56	44	56	50	59	39	57	51	44	39	43	31	61	54	56	44			
8.....			42	27	72	45	58	27	.....	.....	62	46	54	44	59	49	42	62	54	50	39	42	30	64	51	58	45	
9.....			44	16	60	50	46	40	.....	.....	61	44	50	42	62	51	48	40	59	51	42	35	52	31	71	56	62	41
10.....			46	28	66	49	53	35	.....	.....	63	47	50	44	58	48	50	36	56	49	42	37	49	39	60	47	56	48
11.....			48	29	74	44	60	30	73	46	62	40	60	45	56	30	64	45	46	37	50	37	68	42	61	46			
12.....			51	19	60	38	66	28	79	42	77	43	52	41	64	42	58	34	73	49	51	41	65	27	69	40	68	42	
13.....			55	21	70	38	68	32	79	50	81	46	57	39	70	43	61	31	76	59	58	47	69	24	76	42	74	44	
14.....			55	20	76	39	71	37	85	54	83	47	64	40	73	48	64	32	83	58	60	50	73	32	78	42	74	46	
15.....			59	22	81	43	72	37	84	47	83	44	51	41	71	51	64	36	83	60	63	73	31	75	43	72	46		
16.....			59	25	86	45	65	34	88	51	82	46	47	43	72	47	69	37	75	57	58	49	70	32	76	43	72	46	
17.....			58	23	83	45	63	31	87	50	83	46	47	44	69	48	67	40	66	49	60	46	70	31	78	46	76	46	
18.....			59	22	86	45	75	34	84	48	84	46	50	43	70	45	68	40	62	54	58	49	74	32	87	47	76	47	
19.....			62	23	85	46	67	37	.....	.....	78	46	49	44	74	48	69	40	63	54	62	52	75	37	70	48	75	50
20.....			63	28	86	47	55	34	.....	.....	70	49	50	46	69	50	67	37	62	54	52	37	69	47	65	47		
21.....			64	30	71	47	57	35	.....	.....	70	46	51	45	56	51	51	47	61	53	52	38	68	53	71	50		
22.....			63	27	84	48	58	34	.....	.....	68	49	52	46	69	51	51	44	66	53	50	41	56	44	71	55	63	52
23.....			56	36	84	45	61	34	.....	.....	75	52	52	45	69	50	50	39	66	49	52	40	49	40	74	50	68	53
24.....			55	26	82	49	64	34	84	50	52	38	69	50	50	67	43	70	50	58	46	71	30	72	49	72	49
25.....			51	26	84	44	70	31	.....	.....	79	46	51	42	70	48	71	39	66	51	61	45	73	32	79	54	69	48
26.....			55	23	84	47	77	36	.....	.....	78	43	53	43	73	47	66	36	63	55	56	38	66	31	77	52	68	41
27.....			63	21	82	47	78	39	.....	.....	76	46	54	43	71	49	68	38	68	55	62	39	73	34	78	50	77	44
28.....			69	25	91	46	82	42	88	50	80	44	64	43	75	49	75	44	73	52	69	55	78	32	79	46	83	47	
29.....			74	26	92	47	82	40	93	55	79	49	68	45	81	54	78	44	72	51	69	61	81	35	85	59	86	52	
30.....			78	27	91	51	82	40	93	58	78	46	64	48	83	54	79	46	66	52	77	63	83	38	85	55	82	50	
31.....			79	29	94	51	68	34	83	51	82	47	58	47	82	57	78	46	61	52	64	42	81	40	87	53	78	53	
Mns.....			55.3	25.5	77.8	44.2	62.8	34.9	79.2 ^a	49.1 ^b	72.8 ^c	46.4 ^d	54.1	43.0	67.5	48.7	61.8	37.9	65.6	52.0	54.4	43.4	62.5	34.1	73.4	48.4	66.8	46.6	

Date.	California.																									
	Redlands.		Sacramento.		San Diego.		San Fran- cisco.		San Jose.		San Luis Obispo.		Santa Bar- bara.		Santa Rosa.		Sisson.		Stockton.		Summit.		Susanville.		Yosemite.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	60	37	49	42	61	46	47	42	49	40	50	44	56	48	50	40	38	24	54	40	29	18	44	26	55	29
2.....	60	44	47	41	61	47	52	42	53	41	62	49	53	43	52	32	40	27	57	41	31	23	46	26	41	27
3.....	58	48	55	45	59	52	57	50	59	47	58	51	55	45	59	48	42	32	58	47	32	25	44	32	47	30
4.....	59	47	52	48	62	53	53	45	56	46	56	55	50	55	46	33	28	57	48	31	22	47	30	42	29	
5.....	58	42	54	47	61	49	56	49	57	48	58	50	58	52	57	46	35	20	60	48	29	24	49	32	42	29
6.....	65	39	56	47	63	44	56	49	55	47	58	50	50	40	55	48	30	28	58	50	31	29	46	33	40	29
7.....	56	49	55	47	68	54	57	48	57	48	51	57	54	57	47	47	28	26	58	47	31	24	42	32	38	29
8.....	61	52	61	47	66	58	59	49	64	50	58	52	58	54	60	44	38	20	57	49	32	27	49	35	42	29
9.....	60	54	53	47	68	54	52	47	52	47	58	50	55	45	53	40	39	28	56	47	33	27	48	19	45	29
10.....	54	47	58	47	57	51	53	47	55	45	53	46	58	50	57	47	42	27	58	46	32	18	47	32	48	29
11.....	63	44	56	45	59	49	57	47	57	45	62	47	61	59	41	39	44	25	59	45	35	26	51	31	58	21
12.....	74	42	63	43	62	46	44	43	52	47	58	52	57	49	62	47										